Specifications

		UM330X	UM280X	UM330W	UM280W
LCD Panel		0.63 inch LCD with MLA		0.59 inch LCD with MLA	
Resolution*1		1024 x 768 pixels		1280 x 800 pixels	
Lens		Manual Focus F= 1.80, f=4.78 mm			
Lamp (Eco mode on / Eco mode off)		160 W / 265 W	140 W / 230 W	160 W / 265 W	140 W / 230 W
Lamp life*2 (Eco mode on / Eco mode off)		6000H / 3000H	8000H / 4000H	6000H / 3000H	8000H / 4000H
Image size		61.5 to 116.6 inches		58.0 to 110.0 inches	
Light output*3 *4	Eco mode off	3300 ANSI lumens	2800 ANSI lumens	3300 ANSI lumens	2800 ANSI lumens
	Eco mode on	Approx. 60% of the Eco mode off			
Contrast ratio (white / black)*4		3,000:1 with Iris			
Maximum resolution		WUXGA (1920 x 1200) with advanced AccuBlend			
Scan rate	Horizontal	15 kHz to 100 kHz (RGB : 24 kHz or over)			
	Vertical	50 Hz to 120 Hz			
Keystone correction	Horizontal	Yes*5			
	Vertical	Manual:±Max 10 degrees			
Input terminals	Computer	1 x Mini D-sub 15 pin			
	Audio	1 x Stereo mini jack			
	Video	1 x RCA			
	Audio	2 x RCA			
	S-Video	1 x Mini Din 4-pin			
	Audio	2 x RCA (shared with Video)			
	HDMI	2 x HDMI			
	Mic	1 x Mini jack*6			
Output terminals		1 x Mini D-sub 15 pin			
	Audio	1 x Stereo mini jack			
Wired LAN port		1 × RJ-45 (10BASE-T / 100BASE-TX)			
Wireless LAN port		Yes			
Control terminals		1 x D-sub 9 pin			
USB port (for USB display)		1 x Type A, (1 x Type B)			
Built-in speaker		16 W monaural			
Environment	Operational temperatures	5°C to 40°C ([ECO MODE] is set automatically to [ON] at 35°C to 40°C), 20% to 80% Humidity (Non-Condensing)			
	Storage temperatures	-10°C to 50°C, 20% to 80% Humidity (Non-Condensing)			
Power requirement		100 to 240V AC, 50Hz/60Hz			
Input current		4.0 A to 1.7 A	3.6 A to 1.6 A	4.0 A to 1.7 A	3.6 A to 1.6 A
Power consumption (100 to 130 V AC / 200 to 240 V AC)	Eco mode off	360 W / 344 W	318 W / 304 W	360 W / 344 W	318 W / 304 W
	Eco mode on	239 W / 233 W	218 W / 212 W	239 W / 233 W	218 W / 212 W
	Standby (power-saving)	0.2 W / 0.4 W			
Calorific value (100 - 130V / 200 - 240V)		1228 BTU / 1174 BTU	1085 BTU / 1037 BTU	1228 BTU / 1174 BTU	1085 BTU / 1037 BTU
Net dimensions (W x H x D)		378 x 112 x 428 mm (not including protrusions)			
Weight		5.7 kg	5.6 kg	5.7 kg	5.6 kg
Gross dimensions (W x H x D)		591 x 259 x 491 mm			
Gross weight		8.6 kg			
Accessories		Power cord, Remote control, Batteries, Signal Cable, CD-ROM (User's manual / Utility software), Quick setup guide, Important information, Security sticker			
Regulations	For United States	UL Approved (UL 60950-1), Meets FCC Class B Requirements			
	For Canada	C-UL Approved (CSA 60950-1), Meets DOC Canada Class B Requirements			
	For Europe	Meets low voltage directive (EN60950-1, TÜV GS approved), Meets EN55022 ClassB, EN55024, EN61000-3-2, EN61000-3-3			
	For Asia/Oceania	IEC60950-1, Meets AS/NZS CISPR.22 Class B			
	For Korea	KC (safety : K60950-1, EMC : K00022, K00024)			
	For China	GB4943, GB9254, GB17625.1			
	For Russia	Gost R 60950-1, 51318.22, 51317.3.2./3.3.			

*1 : Effective pixels are more than 99.99%.
*2 : Lamp life is defined as the average time span for the brightness of the lamp to be reduced by half, it does not refer to the warranty period for the lamp.
*3 : This is the light output value (ANSI lumens) when the [PRESET] mode is set to [HIGH-BRIGHT]. If any other mode is selected as the [PRESET] mode,
*4 : Compliance with ISO21118-2005
*5 : IEU Lite (for Windows) is required
*6 : The MIC input jack does not support plug-in power microphones.
All specifications are subject to change without notice.

Options

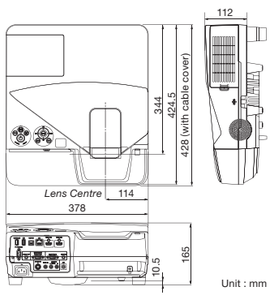
Replacement lamp
NP16LP-UM
(for UM280X/UM280W)
NP17LP-UM
(for UM330X/UM330W)

Wall mount kit
NP04WK

Interactive unit
NP02Wi

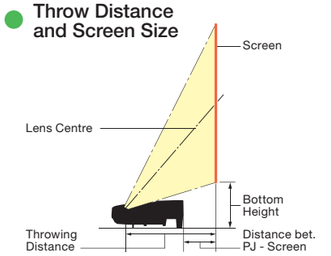
Wireless LAN
NP02LM1 NP02LM2 NP02LM3

Cabinet Dimensions



Unit : mm

Throw Distance and Screen Size



UM330X / UM280X (Aspect Ratio 4:3)

Screen Size (m)	Throwing distance (cm)	Bottom Height (cm)	Distance bet. PJ - Screen (cm)
61.5 (1.25×0.94)	44.8	24.3	10.5
70 (1.42×1.07)	51.1	26.2	16.8
80 (1.63×1.22)	58.5	28.5	24.1
90 (1.83×1.37)	65.8	30.7	31.5
100 (2.03×1.52)	73.2	33.0	38.8
110 (2.24×1.68)	80.5	35.2	46.2
116.6 (2.37×1.78)	85.4	36.7	51.0

The values in the tables are design values and may vary.

UM330W / UM280W (Aspect Ratio 16:10)

Screen Size (m)	Throwing distance (cm)	Bottom Height (cm)	Distance bet. PJ - Screen (cm)
58 (1.25×0.78)	44.8	24.4	10.5
60 (1.29×0.81)	46.4	24.9	12.0
70 (1.51×0.94)	54.2	27.2	19.8
80 (1.72×1.08)	62.0	29.6	27.6
90 (1.94×1.21)	69.8	32.0	35.4
100 (2.15×1.35)	77.6	34.4	43.2
110 (2.37×1.48)	85.4	36.8	51.0

The values in the tables are design values and may vary.

⚠
· The projector can be unplugged during its cool down period after it is turned off.
Parts of the projector will become heated during operation. Use caution when picking up the projector immediately after it has been operating.
· Use caution when putting the projector in the soft case immediately after the projector has been operating. The projector cabinet is hot.

Virtual Remote Tool uses WinI2C/DDC library, c Nicomsoft Ltd.
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Cat.No. WLPJ-1211-571NN

Empowered by Innovation NEC

Ultra short throw projector

UM330X/UM280X/UM330W/UM280W

An ultra short throw projector to install easily even in small spaces, such as classrooms and small meeting rooms

http://www.nec-display.com/ap/

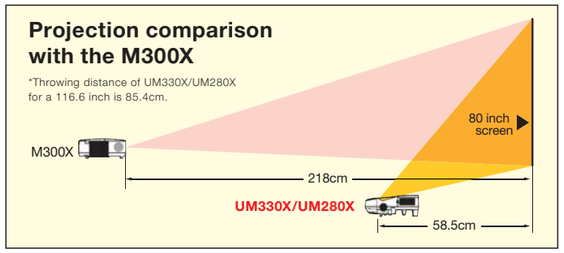
Projects large screens with minimum distortion even at a short throw distance. The range of applications has been further improved with a light output of 3300 ANSI lumens*, the best of its category, and a more powerful built-in speaker.

*UM330X/ UM330W

An ultra short throw projector that can be installed and used anywhere

Ultra short throw projection optimal for classrooms and meeting areas

Thanks to the ultra short throw lens the UM330X/UM280X can project a large screen of 116.6 inches at a distance of only 85.4cm. (the distance from screen side of projector to screen is 51.0cm) Shadows do not easily form even when someone stands in front of the projector, making it suitable for classrooms, small meeting areas, shop windows, and a wide variety of other locations if installed on the wall or the ceiling.



A light output of 3300 ANSI lumens*1, the highest in the category

*1:The value is when eco mode off is selected in UM330X/UM330W
*2:As of 15 November 2012

Projects a sharp image even in bright rooms thanks to its light output of 3300 ANSI lumens, the best of its category*2. while the contrast is as high as 3000:1.

eBeam (new optional interactive solution)

This interactive unit provides extensive drawing functionality to the projector and allows characters and drawings to be projected on the screen while making a presentation, which can be saved into your computer. It is possible to mount this unit on the body of the projector, which means that it can be used not only when the projector is mounted on a wall, but also when it is placed on a table. And it will be able to reduce shadow and/or glare on the image for audience.

16W speaker helps to use microphone effectively.

A built-in monaural speaker with powerful 16W output provides excellent sound even in classrooms and conference rooms. This projector also comes with a microphone input, allowing voice to be projected via the internal speaker.

Equipped with a high-performance filter to provide superior dust-proof capability

A geometric correction function to enable projection to a screen on an angle*

*Image Express Utility Lite (for Windows)

Designed for easier installation

USB display function for simple connection with a single USB cable

The USB display function lets you connect the projector and a computer with a standard USB cable to easily project computer screen images without computer cables. In this case you can also control your PC mouse via projector's remote control.

WIU* is available

WIU (Wireless Image Utility) can send image wirelessly from your iOS devices such as iPad, iPhone and iPod touch. The WIU enables real-time images captured with the iPad's internal camera,web pages searched for on the iPad or cloud files in combination with a file sharing application to be displayed wirelessly also.

*Available in the Apple APP store

Interfaces for various functions

- The projector is equipped with two HDMI connectors for projecting digital images including Blu-ray as well as wired / wireless(option*) LAN port.

* Please make sure to choose the appropriate wireless LAN UNIT according to the below list in use country or area.
* NP02LM1 : United States, Canada, Mexico, Taiwan, Brazil, Colombia
NP02LM2 : Europe, United Arab Emirates, Saudi Arabia, Oman, South Africa, Turkey, Ukraine, Egypt, Israel, Australia, New Zealand, Japan, Thailand, China, Hong Kong, Singapore, South Korea, Sri Lanka, Pakistan, Vietnam, India, Indonesia, Philippines, Peru, Chile, Argentina, Ecuador
NP02LM3 : Russia
* In case of used in Malaysia, NP02LM2 have been certified but should be attached SIRIM certification sticker on goods.Please contact your partner in Malaysia before it use.

- The projector also has a viewer function that lets you project images (JPEG) stored on USB memory, so you can give presentations without a computer.

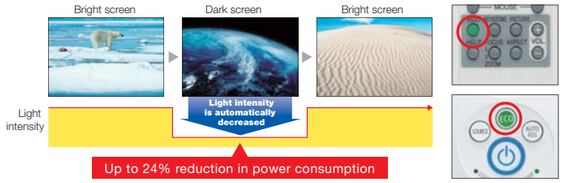
Cable cover to keep your cables tidy

The terminals are placed in the screen side of the projector and are protected with a cable cover. The cover keeps the cables in place.

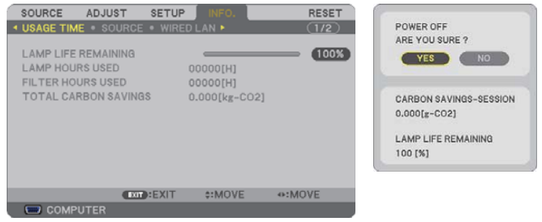
Due consideration to the environment

A complete lineup of eco functions

The projector has an Auto Eco Mode, which automatically adjusts the brightness to suit the ambient environment, and Eco Mode which is convenient when the projector may be too bright for small screen projection. There are Eco buttons on the projector and remote control so you can more easily enable Eco Mode.

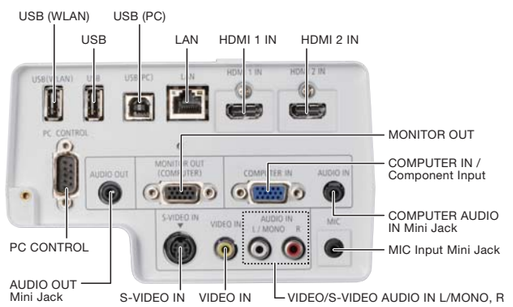


Carbon meter for visualising environmental impact



Other functions

- Quick Power Off and Direct Power Off allow speedy powering down of the projector after use.
- Auto Power On automatically switches on the power when the power cord is connected or a signal is input at Computer in.
- Virtual Remote lets you use your computer to switch the power of the projector on and off and change the input signal
- Terminals



- Wall Colour Correction for vivid images even without a screen.
- Control capability
  - Crestron RoomView® with emergency function
  - AMX BEACON
  - HTTP server
  - PJLink
  - DICOM Sim.

HDMI HIGH-DEFINITION MULTIMEDIA INTERFACE

UM330X		
3300ANSI lumens	XGA	5.7kg
UM330W		
3300ANSI lumens	WXGA	5.7kg

UM280X		
2800ANSI lumens	XGA	5.6kg
UM280W		
2800ANSI lumens	WXGA	5.6kg